

Information requirements for air-to-air air conditioners								
Model(s):	Indoor unit(s)	42QTD060D8SN						
	Outdoor unit	38QUS060D8TX						
Outdoor side heat exchanger of air conditioner: Air								
Indoor side heat exchanger of air conditioner: Air								
Type: compressor driven vapour compression								
If applicable: driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	15.3	kW		Seasonal space cooling energy efficiency	ηs,c	240.8	%
Declared cooling capacity for part load at given outdoor temperatures Tj and indoor 27°/19 °C (dry/wet bulb)					Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Tj = 35°C	Pdc	15.299	kW		Tj = 35°C	EERd	267.3	%
Tj = 30°C	Pdc	10.509	kW		Tj = 30°C	EERd	450.4	%
Tj = 25°C	Pdc	6.731	kW		Tj = 25°C	EERd	674.9	%
Tj = 20°C	Pdc	3.194	kW		Tj = 20°C	EERd	1147.9	%
Degradation co-efficient for air conditioners (*)	Cdc	2.5	—					
Power consumption in modes other than 'active mode'								
Off mode	POFF	0.010	kW		Crankcase heater mode	PCK	0.000	kW
Thermostat-off mode	PTO	0.001	kW		Standby mode	PSB	0.010	kW
Other items								
Capacity control	fixed/staged/variable				For air-to-air air conditioner: air flow rate, outdoor measured	—	5600	m3/h
Sound power level,outdoor	LWA	75	dB					
If engine driven: Emissions of nitrogen oxides	NO x (**)	x	mg/kWh fuel input GCV					
GWP of the refrigerant		675	kg CO2 eq (100 years)					
Contact details	AHI Carrier S.E. Europe Single Member S.A. 18, Kifissou Avenue, 104 42 Athens, Attiki Greece							

Information requirements for heat pumps								
Model(s):	Indoor unit(s)		42QTD060D8SN					
	Outdoor unit		38QUS060D8TX					
Outdoor side heat exchanger of heat pump: Air								
Indoor side heat exchanger of heat pump: Air								
Indication if the heater is equipped with a supplementary heater: no								
If applicable: driver of compressor: electric motor								
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	18.2	kW		Seasonal space heating energy efficiency	ηs,h	157.0	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature Tj					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Item	symbol	value	unit		Item	symbol	value	unit
Tj = -7°C	Pdh	10.440	kW		Tj = -7°C	COPd	261.5	%
Tj = 2°C	Pdh	6.283	kW		Tj = 2°C	COPd	408.6	%
Tj = 7°C	Pdh	4.137	kW		Tj = 7°C	COPd	508.6	%
Tj = 12°C	Pdh	3.325	kW		Tj = 12°C	COPd	603.8	%
Tbiv = bivalent temperature	Pdh	10.440	kW		Tbiv = bivalent temperature	COPd	261.5	%
TOL = operating limit	Pdh	9.957	kW		TOL = operating limit	COPd	235.8	%
For air-to-water heat pumps: Tj = – 15 °C (if TOL < – 20 °C)	Pdh	x,x	kW		For air-to-water heat pumps: Tj = – 15 °C (if TOL < – 20 °C)	COPd	x,x	%
Bivalent temperature	Tbiv	-7	°C		For water-to-air heat pumps: Operation limit temperature	Tol	x	°C
Degradation co-efficient heat pumps (**)	Cdh	x,x	—					
Power consumption in modes other than 'active mode'					Supplementary heater			
Off mode	Poff	0.010	kW		Back-up heating capacity (*)	elbu	1.843	kW
Thermostat-off mode	PTO	0.016	kW		Type of energy input			
Crankcase heater mode	PCK	0.000	kW		Standby mode	Psb	0.010	kW
Other items								
Capacity control	fixed/staged/variable				For air-to-air heat pumps: air flow rate, outdoor measured	—	5600	m3/h
Sound power level,outdoor measured	LWA	75	dB		For water/brine-to-air heat pumps: Rated brine or water flow rate, outdoor side heat exchanger	—	x	m3/h
Emissions of nitrogen oxides (if applicable)	NOx (**)	x	mg/kWh fuel input GCV					
GWP of the refrigerant		675	kg CO2 eq (100 years)					
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Information requirements for air-to-air air conditioners								
Model(s):	Indoor unit(s)	42QZL060D8SN						
	Outdoor unit	38QUS060D8TX						
Outdoor side heat exchanger of air conditioner: Air								
Indoor side heat exchanger of air conditioner: Air								
Type: compressor driven vapour compression								
If applicable: driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	15.3	kW		Seasonal space cooling energy efficiency	ηs,c	240.8	%
Declared cooling capacity for part load at given outdoor temperatures Tj and indoor 27°/19 °C (dry/wet bulb)					Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Tj = 35°C	Pdc	15.299	kW		Tj = 35°C	EERd	258.9	%
Tj = 30°C	Pdc	10.431	kW		Tj = 30°C	EERd	444.9	%
Tj = 25°C	Pdc	6.555	kW		Tj = 25°C	EERd	695.5	%
Tj = 20°C	Pdc	3.243	kW		Tj = 20°C	EERd	1153.5	%
Degradation co-efficient for air conditioners (*)	Cdc	2.5	—					
Power consumption in modes other than 'active mode'								
Off mode	POFF	0.014	kW		Crankcase heater mode	PCK	0.000	kW
Thermostat-off mode	PTO	0.000	kW		Standby mode	PSB	0.014	kW
Other items								
Capacity control	fixed/staged/variable				For air-to-air air conditioner: air flow rate, outdoor measured	—	5600	m3/h
Sound power level,outdoor	LWA	75	dB					
If engine driven: Emissions of nitrogen oxides	NO x (**)	x	mg/kWh fuel input GCV					
GWP of the refrigerant		675	kg CO2 eq (100 years)					
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Information requirements for heat pumps								
Model(s):	Indoor unit(s)		42QZL060D8SN					
	Outdoor unit		38QUS060D8TX					
Outdoor side heat exchanger of heat pump: Air								
Indoor side heat exchanger of heat pump: Air								
Indication if the heater is equipped with a supplementary heater: no								
If applicable: driver of compressor: electric motor								
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	18.2	kW		Seasonal space heating energy efficiency	ηs,h	156.9	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature Tj					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Item	symbol	value	unit		Item	symbol	value	unit
Tj = -7°C	Pdh	10.439	kW		Tj = -7°C	COPd	247.1	%
Tj = 2°C	Pdh	6.613	kW		Tj = 2°C	COPd	404.7	%
Tj = 7°C	Pdh	4.101	kW		Tj = 7°C	COPd	509.1	%
Tj = 12°C	Pdh	3.398	kW		Tj = 12°C	COPd	618.8	%
Tbiv = bivalent temperature	Pdh	10.439	kW		Tbiv = bivalent temperature	COPd	247.1	%
TOL = operating limit	Pdh	9.795	kW		TOL = operating limit	COPd	231.9	%
For air-to-water heat pumps: Tj = – 15 °C (if TOL < – 20 °C)	Pdh	x,x	kW		For air-to-water heat pumps: Tj = – 15 °C (if TOL < – 20 °C)	COPd	x,x	%
Bivalent temperature	Tbiv	-7	°C		For water-to-air heat pumps: Operation limit temperature	Tol	x	°C
Degradation co-efficient heat pumps (**)	Cdh	x,x	—					
Power consumption in modes other than ‘active mode’					Supplementary heater			
Off mode	Poff	0.014	kW		Back-up heating capacity (*)	elbu	2.005	kW
Thermostat-off mode	PTO	0.019	kW		Type of energy input			
Crankcase heater mode	PCK	0.000	kW		Standby mode	Psb	0.014	kW
Other items								
Capacity control	fixed/staged/variable				For air-to-air heat pumps: air flow rate, outdoor measured	—	5600	m3/h
Sound power level,outdoor measured	LWA	75	dB		For water/brine-to-air heat pumps: Rated brine or water flow rate, outdoor side heat exchanger	—	x	m3/h
Emissions of nitrogen oxides (if applicable)	NOx (**)	x	mg/kWh fuel input GCV					
GWP of the refrigerant		675	kg CO2 eq (100 years)					
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Information requirements for air-to-air air conditioners								
Model(s):	Indoor unit(s)		42QSV0608D8S					
	Outdoor unit		38QUS060D8TX					
Outdoor side heat exchanger of air conditioner: Air								
Indoor side heat exchanger of air conditioner: Air								
Type: compressor driven vapour compression								
If applicable: driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	15.3	kW		Seasonal space cooling energy efficiency	ηs,c	241.0	%
Declared cooling capacity for part load at given outdoor temperatures Tj and indoor 27°/19 °C (dry/wet bulb)					Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Tj = 35°C	Pdc	15.3	kW		Tj = 35°C	EERd	2.9	—
Tj = 30°C	Pdc	10.7	kW		Tj = 30°C	EERd	4.5	—
Tj = 25°C	Pdc	7.2	kW		Tj = 25°C	EERd	6.9	—
Tj = 20°C	Pdc	3.8	kW		Tj = 20°C	EERd	10.8	—
Degradation co-efficient for air conditioners (*)	Cdc	2.5	—					
Power consumption in modes other than 'active mode'								
Off mode	POFF	0.014	kW		Crankcase heater mode	PCK	0.000	kW
Thermostat-off mode	PTO	0.000	kW		Standby mode	PSB	0.014	kW
Other items								
Capacity control	fixed/staged/variable				For air-to-air air conditioner: air flow rate, outdoor measured	—	5600	m3/h
Sound power level,outdoor	LWA	74.0	dB					
If engine driven: Emissions of nitrogen oxides	NO x (**)	x	mg/kWh fuel input GCV					
GWP of the refrigerant		675	kg CO2 eq (100 years)					
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Information requirements for heat pumps								
Model(s):	Indoor unit(s)		42QSV0608D8S					
	Outdoor unit		38QUS060D8TX					
Outdoor side heat exchanger of heat pump: Air								
Indoor side heat exchanger of heat pump: Air								
Indication if the heater is equipped with a supplementary heater: no								
If applicable: driver of compressor: electric motor								
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	18.1	kW		Seasonal space heating energy efficiency	ηs,h	157.1	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature Tj					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Item	symbol	value	unit		Item	symbol	value	unit
Tj = -7°C	Pdh	11.1	kW		Tj = -7°C	COPd	2.7	-
Tj = 2°C	Pdh	6.9	kW		Tj = 2°C	COPd	4.0	-
Tj = 7°C	Pdh	4.5	kW		Tj = 7°C	COPd	5.1	-
Tj = 12°C	Pdh	3.3	kW		Tj = 12°C	COPd	5.7	-
Tbiv = bivalent temperature	Pdh	11.1	kW		Tbiv = bivalent temperature	COPd	2.7	-
TOL = operating limit	Pdh	11.2	kW		TOL = operating limit	COPd	2.5	-
For air-to-water heat pumps: Tj = – 15 °C (if TOL < – 20 °C)	Pdh	x,x	kW		For air-to-water heat pumps: Tj = – 15 °C (if TOL < – 20 °C)	COPd	x,x	-
Bivalent temperature	Tbiv	-7	°C		For water-to-air heat pumps: Operation limit temperature	Tol	x	°C
Degradation co-efficient heat pumps (**)	Cdh	0.25	—					
Power consumption in modes other than 'active mode'					Supplementary heater			
Off mode	Poff	0.014	kW		Back-up heating capacity (*)	elbu	1.317	kW
Thermostat-off mode	PTO	0.021	kW		Type of energy input			
Crankcase heater mode	PCK	0.000	kW		Standby mode	Psb	0.014	kW
Other items								
Capacity control	fixed/staged/variable				For air-to-air heat pumps: air flow rate, outdoor	—	5600	m3/h
Sound power level,outdoor	LWA	74.0	dB		For water/brine-to-air heat pumps: Rated brine or water flow rate, outdoor side heat exchanger	—	x	m3/h
Emissions of nitrogen oxides (if applicable)	NOx (**)	x	mg/kWh fuel input GCV					
GWP of the refrigerant		675	kg CO2 eq (100					
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